909. The relationship between the Management and the employees continued to be cordial and satisfactory. Management and Employee Relationship.

(xii) Mines and Geology.

910. The year 1959 witnessed allround improvement in the mineral production, particularly iron ore the production of which exceeded one million tons. Total value of minerals produced during the year was Rs. 7,07,42,660 (Rs. 6,93,35,880).

911. The State Trading Corporation of India, in order to step up their export trade of Iron and Manganese Ores, had been negotiating with the Board of Mineral Development for increased purchases of these minerals.

912. The comparative details of Minining Revenue for two years were as follows :—

Head	1958-59	1959-60
	Rs.	Rs.
Department under Royalty, rent, etc. ...	21,38,638—00	26,69,484—28
Royalty on Gold	21,54,00—00	20,86,000—00
Mining revenue from the 4 districts of Bombay-Karnatak collected as Forest Revenue.	8,81,452—00	10,99,781—89

913. Including the royalty on gold amounting to about 20·86 lakhs, the total receipts by way of royalty on minerals and other items of mining revenue amounted to about Rs. 57,95,216—17.

914. *Receipts:*—The Budget estimate for the year was for Rs. 23,15,000 against which the actual receipts came to Rs. 26,69,484—28 including revenue from the Bellary District which amounted to Rs. 12,77,781—31. Finance.

915. *Expenditure :*—The Budget estimate for the year was of Rs. 5,06,800 against which the actual expenditure came to Rs. 4,03,777. The Budget estimate for expenditure for the schemes of the Department under the Second Five Year Plan was Rs.1,98,500 as against which the actual amount spent was Rs. 1,46,562—78.

916. The total revenue under Mines and Minerals for the State under review, including the revenue from the

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Bellary and the former districts of Bombay, aggregate to Rs. 37,09,216—17. This revenue does not include the receipts of the Board of Mineral Development.

Demand Collection and balance.

917. There was a total demand of Rs. 46,39,442—73 including the opening balance of Rs. 14,85,931—82, during the year, out of which a sum Rs. 29,75,716—96 was collected, leaving a balance of Rs. 16,63,725—77 at the close of the year.

Certificates of Approval.

918. Five hundred and five (524) certificates of approval were current during the year, including the grant of fresh certificates of approval and renewals for the calendar year, 1960.

Leases and Licenses.

919. *Mining Leases :*—Four hundred and forty-one (418) mining leases were current during the year, in addition to 102 Patta leases for Iron Ore in Bellary District.

920. The total area covered by mining leases was 1,46,711·51 acres.

921. There were 17 (49) prospecting licenses current during the year and the total area covered by them was 1,493.34 acres.

Mineral Products of Mysore State.

922. The following comparative statement shows the various types of leases current during the year as against those of the previous year :—

Particulars	1958-59	1959-60
1. Certificates of Approval ...	524	505
2. Mining Leases (including 102 Patta leases in Bellary District).	418	543
3. Prospecting Licenses	49	17
4. Quarrying Licenses	935	947
5. Quarry Leases (Gulbarga) Long Term (of 20 years).	6	6
6. Quarry Leases (Short term) (of 1 to 5 years).	20	20

	1958		1959	
	Quantity (Tons)	Value (Rs.)	Quantity (Tons)	Value (Rs.)
(i) METALS.				
Chromite ...	4,446·75	1,97,764	4,038	1,46 240
Gold ...	1,64,076·454 (ounces)	4,88,54,083	51,44,·32.1 (grams)	5,37,86,411.77
Iron Ore ...	7,52,9·8 1 5	59 48,973·50	10,55 · 8 1,0	51,·0 483
Manganese Ore ...	2,53,444.67	1,15,09,702·99	2,60 132	97,06 403
Silver ...	11,969.57 (ozs)	59,866 14	3,77,408.2 (grams)	62,495.53
Total ...	...	6,65,64,642.63	...	6,88,32,086·30
(ii) NON-METALS.				
Asbestos ...	144	22,600	...	...
Beryl ...	32	16,000	17.08	8 515
Bauxite ...	429	6,435	657	10,5.2
Calcite ...	6 5	195	...	..
Corundum ...	59	11,800	15	1.460
Dolomite ...	4,500	81,000	3,·00	25,644
Feldspar ...	605	12,100	...	...
Fire-clay ...	8,303·75	80,269	8, ·21	9,·03
Graphite ...	126	6,300	...	...
Garnet ...	30	3,000	...	...
Kaolin ...	26,655·50	3,79,140	13,265	1,03,099
Kyanite ...	11 50	2,300	100	5,0 0
Limestone ...	8,78,105	18,15.762	8,77,623	12,48,716
Magnesite ...	2,148	32,220	3,·26	1,9·,956
Mica ...	5.15	600	1,100 (lbs)	919
Ochres ...	300	3,000	400	4,000
Ordinary clay ...	19,771	69,198	...	...
Quartz ...	14,411	1,·2,646	17 358	1,76,021
Red Oxide ...	12,385	67 ·13	9,486	99 9·0
Red Earth ...	287	9,370	...	...
Soapstone ...	170	51,000	350	86,515
Staurolite ...	·.75	150	...	...
Total ...	...	27,71,288	...	19,30,010
(iii) BUILDING STONES (Granite) ...	31,87 506 (C.ft)	5,97,657	33,12,·63 (C.ft)	5,98,463
(iv) BUILDING STONES. (Shahabad Stones)...	1,34,53 728 (S.ft.)	10,93,701	2.55,57.078 (C.f.)	90,81,248

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Metals.

923. *Chromite.*—Restrictions regarding export of Chrome Ore continued except in cases of certain low grade ore. No fresh licenses and leases for exploitation was granted.

924. The Board of Mineral Development produced a quantity of 4,038 tons of Chromite, valued at Rs. 1,46,240.

Gold and Silver.

Kolar Gold Mining Undertakings

925. The following statement shows the quantities of fine gold and silver produced by the three K.G.F. mines and their value were:—

	Gold		Silver	
	Grams	Rs.	Grams	Rs.
Mysore Mines ...	13,20,652	1,38,12,000	93 973	15,000
Champion Reef Mines ..	15,72,461	1.64.00,000	1.14,622	20,000
Nandydroog Mines ...	17,66,841	1,84,88,000	1.30 072	22,000
	46,59,954	4,87,00,000	3,38,667	57,000
ii) Hatti Gold Mines ...	4,94,478·1	50,36,414.77	88,741,2	5,495.53

926. *Iron Ore.*—The total quantity of iron ore produced during the year amounted to 10,55,639 tons. Of this, a quantity of 1,18,285 tons of ore, valued at Rs. 12,65,650 was worked by the Mysore Iron and Steel Works, Bhadravati and directly used in the blast furnace. The remaining quantity of 9,37,354 tons of ore was entirely exported outside India.

927. *Building Materials*--From the granite quarries under the control of the Department, there was a production of 33,12,262 C.ft. of the material during the year, valued at Rs. 5,98,462.

928. As against the total grant of Rs. 90,000 sanctioned for the first scheme, a sum of Rs. 83,185-78 was spent during the year. While on the second scheme sanction was accorded for an estimated cost of Rs. 2,12,000 for a period of 2 years in the first instant. Of this amount a sum of Rs. 1,08,500 was provided for the year, a sum of Rs. 63,377 was spent during the year.

929. An area of about 450 square miles, comprising parts of Shimoga, South Canara and North Kanara Districts were surveyed during the field season of the year.